



Gulf of Mexico Harmful Algal Bloom Bulletin

10 January 2008

NOAA Ocean Service

NOAA Satellites and Information Service

Last bulletin: January 7, 2008

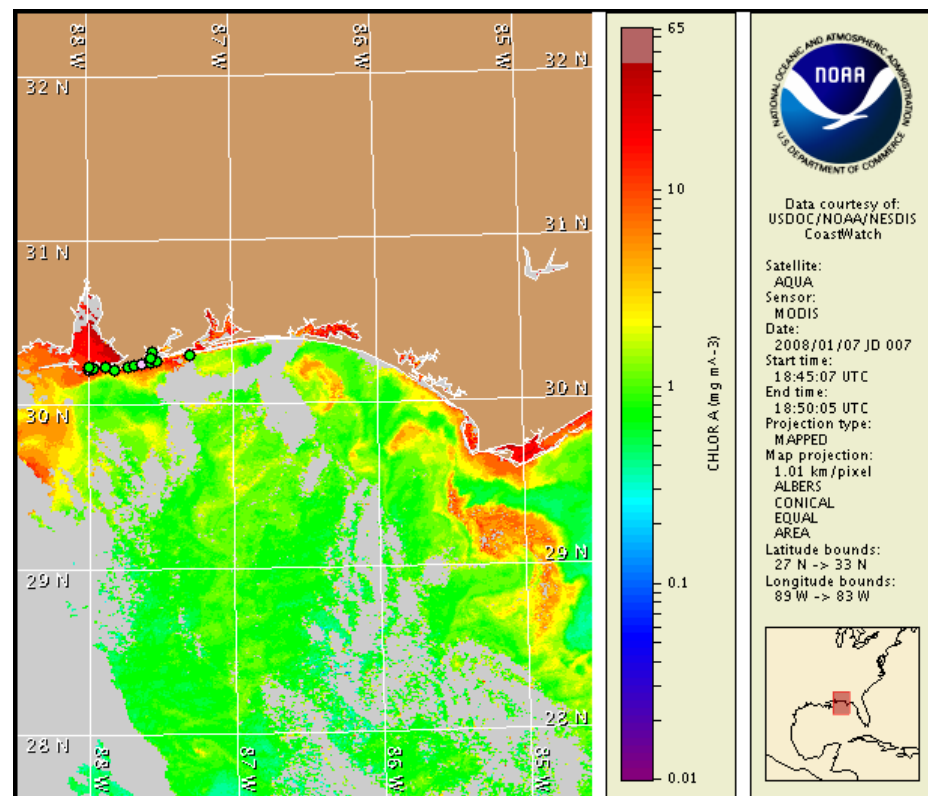
Conditions Report

NW Florida/Alabama: A harmful algal bloom persists in patches in Okaloosa County, Florida and Baldwin County, Alabama. No impacts are expected in northwest Florida or Alabama today through Sunday, January 13.

Analysis

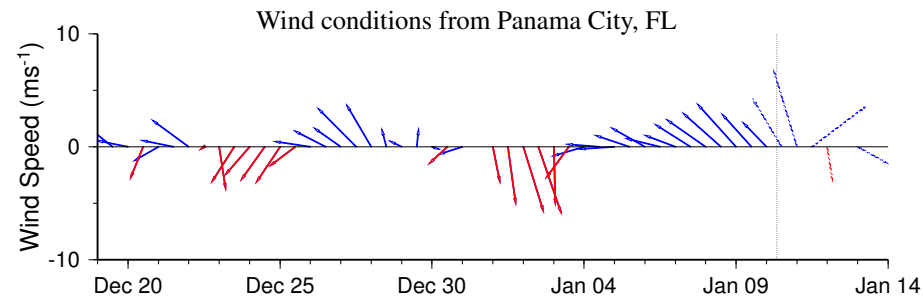
Karenia brevis concentrations ranged from not present to present in Baldwin County, Alabama (ALDH, 1/8). No new samples have been received from the Florida panhandle region. Please note that due to technical difficulties, SeaWiFS imagery is temporarily unavailable; MODIS imagery (1/7) is displayed on pages 1 and 2 of this bulletin. A patchy elevated chlorophyll feature ($\sim 3\text{--}4\ \mu\text{g/L}$) remains ~ 6 miles offshore of Okaloosa and Walton Counties (northern extent: $30^{\circ}17'9''\text{N}$ $86^{\circ}29'21''\text{W}$; southern extent: $29^{\circ}57'17''\text{N}$ $86^{\circ}21'38''\text{W}$). Sampling is recommended.

~Fenstermacher, Urizar



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from December 31 to January 9 shown as red (high), orange (medium), yellow (low b), brown (low a), blue (very low b), purple (very low a), pink (present), and green (not present). For a list of cell count data providers and a key to the cell concentration categories, please see the HABFS bulletin guide:

http://www.csc.noaa.gov/crs/habf/habfs_bulletin_guide.pdf

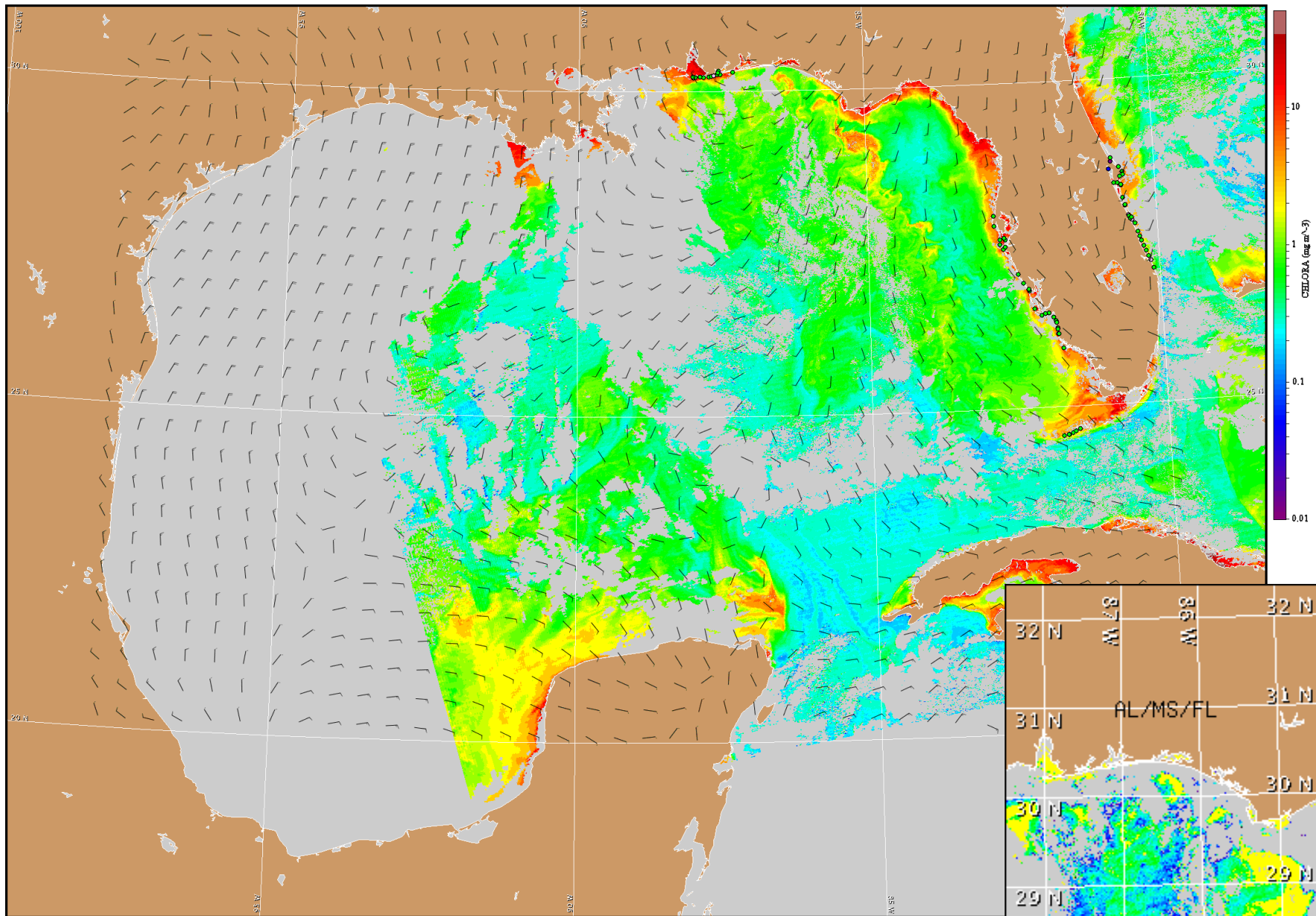


Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.

NW Florida: Strong south to southeasterlies today (15-20 kts; 8-10 m/s). North to northeasterlies Friday through Sunday (10-20 kts; 5-10 m/s).

Please note the following restrictions on all SeaWiFS imagery derived from CoastWatch.

1. Data are restricted to civil marine applications only; i.e. federal, state, and local government use/distribution is permitted.
2. Image products may be published in newspapers. Any other publishing arrangements must receive GeoEye approval via the CoastWatch Program.



Satellite chlorophyll image and forecast winds for January 11, 2008 12Z with Cell concentration sampling data from December 31 to January 9 shown as red (high), orange (medium), yellow (low b), brown (low a), blue(very low b), purple (very low a), pink (present), and green (not present). For a list of cell count data providers and a key to the cell concentration categories, please see the HABFS bulletin guide: http://www.csc.noaa.gov/crs/habf/habfs_bulletin_guide.pdf

Verified and suspected HAB areas shown in red. Other areas of high chlorophyll concentration shown in yellow (see p. 1 analysis for interpretation).

Wind conditions from Dauphin Island, AL

